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APPLICATION OF REMOTE SENSING
FOR FISHERY RESOURCE
ASSESSMENT AND MONITORING

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APPLICATION OF REMOTE SENSING
FOR FISHERY RESOURCE
ASSESSMENT AND MONITORING

INTRODUCTION

This is the fourth of a monthly series of progress reports required by the Statement of Work for Project 240 titled Application of Remote Sensing for Oceanic Gamefish Assessment and Monitoring, under Contract No. T-8217B. The period of this report is from 10 August to 10 September 1973.

OVERALL STATUS

Computer tabulations have been made of sea truth and fish catch data obtained during the 4 and 5 August field operations. Availability of EREP and remaining survey aircraft photography/imagery is not expected for a least another month. C130B data was received on 6 September. Windup continues of business connected with the fishing tournament.

EXPECTED ACCOMPLISHMENTS

During the next report period, correlations between sea truth and gamefish data will be attempted. One approach will be to overlay graphic display plots of gamefish data onto selected plots of sea truth parameters. Determination of relationships will be attempted visually. The other approach will make use of computer statistical routines to explore, using available data, a series of mathematical relationships between gamefish distribution and oceanographic parameters.

The Pensacola Big Game Fishing Club will host a recognition dinner at Pensacola, Florida, on 15 September for boat captains and anglers participating in the tournament. Efforts are being made to obtain the presence of an astronaut and perhaps the Governor, or a US Senator, of the State of Florida. NOAA/NASA officials will have an opportunity to thank anglers for their voluntary and enthusiastic support.

RESULTS

Computer tabulations are available for sea truth and fish catch data. Available data are fishing pressure/square, fish catch/10 mile square and fish catch/species.

A photographic record of the field operations has been compiled and a written report prepared.

Considerable support has been afforded the Pensacola Big Game Fishing Club generally through use of data obtained by the port samplers in preparing the Boat Gamefish Logs during field operations. This support has included furnishing fish catch information for trophies; providing angler mailing lists; and mailing of tournament patches and decals to anglers who did not receive them during the tournament.

SUMMARY OUTLOOK

Support of the Pensacola Big Game Fishing Club in regard to tournament activities, is indicated until after the recognition dinner.

The effort to correlate gamefish distribution and sea truth will absorb analytical resources for the next month, and lack of satellite and some aircraft photography/imagery does not constitute a restraint on activities for the near future.

TRAVEL PLANS

The Principal Investigator and Co-Investigator will travel to Pensacola, Florida for the recognition dinner.